

Attorney's Docket No. PP00693.104(035784/258145)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re: *Maiorella et al.*  
App. No.: 09/867,948  
Filed: May 30, 2001  
For: METHOD OF INCREASING PRODUCT EXPRESSION  
THROUGH SOLUTE STRESS

Confirmation No.: 9747  
Group Art Unit: 1653  
Examiner: Samuel W. Liu

PATENT

1653  
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SEP 04 2003

August 28, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(c)**

Sir:

Attached is a list of documents on form PTO-1449 together with copies of each identified document. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

The Examiner's attention is drawn to the prosecution history of U.S. Serial No. 07/841,906, wherein rejections over Rupp *et al.* were overcome. See Paper Nos. 18 and 25 of said file history.

Please find attached all items not supplied in, or cited by the Office during prosecution of, parent Application No. 08/482,421 filed June 7, 1995, now Patent No. 6,238,891; Application No. 07/841,906, filed February 26, 1992, now abandoned; Application No. 07/443,445 filed November 29, 1989, now abandoned, or Application No. 07/122,015 filed November 18, 1987, now abandoned. While Applicants recognize that no copies of references cited during the prosecution of the aforementioned applications need to be furnished in accordance with 37 C.F.R. 1.98(d) because the benefit of these applications was claimed under 35 U.S.C. 120, copies of all available items are provided herewith for the Examiner's convenience.

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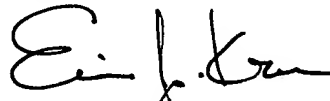
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This Information Disclosure Statement is submitted in accordance with 37 C.F.R.  
§ 1.97(c), before final Office Action or Allowance, whichever is earlier.

The Commissioner is authorized to charge the \$180.00 fee specified in 37 C.F.R.  
§ 1.17(p) as well as any additional fee, or credit any refund, to our Deposit Account No. 16-  
0605.

Respectfully submitted,

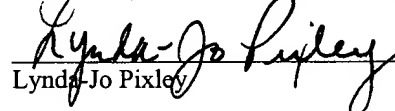


Eric J. Kron  
Registration No. 45,941

**CUSTOMER NO. 00826**  
**ALSTON & BIRD LLP**  
Bank of America Plaza  
101 South Tryon Street, Suite 4000  
Charlotte, NC 28280-4000  
Tel Raleigh Office (919) 862-2200  
Fax Raleigh Office (919) 862-2260

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Lynda Jo Pixley

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Sheet 1 of 4 Attorney Docket Number PP00693.104(035784/258145)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-3,926,737	12-16-1975	Wilson <i>et al.</i>	
	2	US-3,937,654	02-10-1976	Solomons <i>et al.</i>	
	3	US-4,724,206	02-09-1988	Rupp <i>et al.</i>	
	4	US-5,156,964	10-20-1992	Inlow <i>et al.</i>	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	5	EP 0101273	02-22-1984	Robertson <i>et al.</i>		
	6	EP 8805259	02-09-1988	Damon-Biotech	Abstract Only	

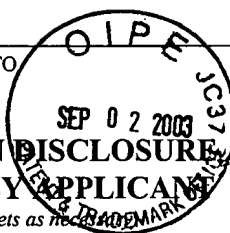
**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	7	Abstract No. 91-14291, <i>Derwent Biotechnol. Abstracts</i> , p. 83, Vol. 10	
	8	ARATHOON, W.R. and BIRCH, J.R., "Large-Scale Cell Culture in Biotechnology," <i>SCIENCE</i> , June 13, 1986, pp. 1390-1395, Vol. 232, No. 4756	
	9	BARNES and SOTO, <i>Cell</i> , 1980, pp. 649-655, Vol. 22	
	10	BASSETT <i>et al.</i> , <i>Principles of Chemistry</i> , 1966, p. 218, Prentice-Hall Inc., Englewood, NJ	
	11	CLEVELAND <i>et al.</i> , <i>Journal of Immunological Methods</i> , 1983, pp. 221-234, Vol. 56	
	12	FRESHNEY, R.I., <i>Culture of Animal Cells: A Manual of Basic Technique</i> , 1983, p. 68, Alan R. Liss, Inc., New York, NY	
	13	GLACKEN, W.R. <i>et al.</i> , "Reduction of Waste Product Excretion via Nutrient Control: Possible Strategies for Maximizing Product and Cell Yields on Serum in Cultures of Mammalian Cells," <i>Biotechnol. &amp; Bioeng.</i> , Sept. 1986, pp. 1376-1382, Vol. 28, No. 9	

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Complete if Known

Application Number	09/867,948
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First Named Inventor	Maiorella et al.
Group Art Unit	1653
Examiner Name	Samuel W. Liu
Attorney Docket Number	PP00693.104(035784/258145)

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**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	14	IMAMURA et al., <i>Analytical Biochemistry</i> , 1982, pp. 353-358, Vol. 124	
	15	ISCOVE, <i>Method for Serum-Free Culture of Neuronal and Lymphoid Cells</i> , pp. 169-185, ed. New York, NY	
	16	ISCOVE and MELCHERS, <i>The Journal of Experimental Medicine</i> , 1978, pp. 923-933, Vol. 147	
	17	JAKOBY and PASTAN, <i>Methods in Enzymology</i> , 1979, pp. 136-137, Vol. 58, Cell Culture Academic Press	
	18	KAWAMOTO et al., <i>Analytical Biochemistry</i> , 1983, pp. 445-453, Vol. 130	
	19	KOVAR and FRANEK, <i>Immunology Letters</i> , 1984, pp. 339-345, Vol. 7	
	20	KRUSE and PATTERSON, <i>Tissue Culture, Methods and Applications</i> , 1973, p. 704, Academic Press	
	21	LIEBOVITZ, <i>Am. J. Hyg.</i> , 1963, pp. 173-180, Vol. 78	
	22	LYDERSON, B. (ed), <i>Large Scale Cell Culture Technology</i> , 1987, pp. 21-58, Hanser Publishers, New York, NY	
	23	MARSHALL, C.L. et al., "The Effect of Osmolarity on Hybridoma Cell Growth and Antibody Production in Serum-Free Media," <i>Proceedings of the 10th Meeting of the European Society for Animal Cell Technology (ESACT)</i> , Later than 1989, pp. 259-261	
	24	MURAKAMI et al., <i>Agri. Biol. Chem.</i> , 1983, pp. 1834-1840, Vol. 47, No. 8	
	25	MURAKAMI et al., <i>Proc. Nat'l Acad. Sci. USA</i> , 1982, pp. 1158-1162, Vol. 79	
	26	PEDERSON, H. et al., "Bioreactor Operating Strategies for Plant Cell Cultures," <i>Biochemical Engineering V</i> , 1987, pp. 163-170, New York Academy of Sciences, New York, NY	
	27	REUVENY et al., <i>J. Immunol. Meth.</i> 1986, pp. 53-59, Vol. 85	
	28	SIENKO et al., <i>Chemistry: Principles and Properties</i> , 1996, McGraw Hill Book Co., New York, NY	

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	29	THORPE <i>et al.</i> , "The Effect of Waste Products of Cellular Metabolism on Growth and Protein Synthesis in a Mouse Hybridoma Cell Line," 1987, Paper #147 Presented at American Chem. Soc.	
	30	VELEZ <i>et al.</i> , <i>Journal of Immunological Methods</i> , 1986, pp. 45-52, Vol. 86	
	31	WAYMOUTH, <i>Journal of the National Cancer Institute</i> , 1974, pp. 1443-1448, Vol. 53, No. 5	
	32	WEBSTER's II New Riverside University Dictionary (1984), p. 688, New Riverside Publishing Co.	
	33	Paper Nos. 18 and 25 of U.S. Serial No. 07/841,906, filed February 26, 1992, now abandoned.	

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